PHILOSOPHICAL TRANSACTIONS.

May 24. 1675.

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Some Reflexions on the Transactions of April 1675; *sent to the Publisher in a Letter out of the Country.*

I Thank you heartily for *Aprils* Transactions. And I am glad, that my Papers did not exclude any of those particulars. If Dr. *Leibnitz* his Watch satisfies Experience, 'tis considerable. *Hevelius* his accurateness prepares fresh work for Astronomers. *Borrichius* may be *Cos veritatis*, to excite and provoke great Discoveries in Chymistry. 'Tis an excellent pen

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which gave you the *Sea-ſand* of *Cornwall*: In which ſpecial notice ought to be taken, 1. Of the profit compared to Tin and Fiſh. 2. That the Land-carriage, (beſides the charge of Lighterage) amounts to about 32000 *l. per annum.* 3. That ſuch a vaſt difference of the Air is found in ſo little a diſtance, that a man may in an Afternoon travel as it were out of *Spain* into the *Orcades.* In which latter note, beſides the argutenes, a deep hint in Philoſophy. I have remarked Springs and Soyle to the very ſame purpoſe. Note alſo *pag.* 296. this propoſal for Chymiſts, to *open the body of Sand*, &c. We find alſo by common Experience, that ſome Stones, and ſome Gravel (as ſuch) without other circumſtances, are much more impregnating than other. And I found, how to place ſome Stones above ground, ſome at a certain depth under ground, for ſurer fertility; and ſo for Sand and Gravel alſo.

But I wiſh, you could meet an intelligent man, who could find out ſome probable ground to proceed in a way of Calculation, What profit may be raiſed by any late Invention or any old deviſe for Soyle; for example,

1. The Land-carriage of Sea-ſand in *Cornwall* 32000 *l. per annum.*
2. The Lighterage. Some grounds are offered in the ſaid Tract of yours for a probable ſum.
3. What profit the Husbandman there expects, and, *communibus annis*, enjoys?
4. How many Labourers are by the ſame, or other appendages, employed and rewarded? For, if nothing were gained above a narrow livelyhood to the Husbandman; yet the ſum for Lighterage and Carriage is great, towards the employment of the poor, which is very much *bono publico.*

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